

## ABSTRACT OF THE DISCLOSURE

An image synthesizing apparatus according to the present invention comprises coefficient setting means for setting a blending coefficient  $\alpha$  ( $0 \leq \alpha \leq 1$ ) at a specified value when a value of a specific picture element component included in picture element components A of a first image is a predetermined value; and arithmetic means for performing an operation on the picture element components A, picture element components B of a second image, and the blending coefficient  $\alpha$  as follows:  $A * \alpha + B * (1 - \alpha)$ , and performing the operation on all the picture element components A and the picture element components B of a picture element that has the specific picture element component representing the predetermined value by using the blending coefficient  $\alpha$  set by the coefficient setting means.